

DRG NO		QB05008	SH	A	B	ISS	1B
ZONE	ISS	DESCRIPTION		DATE		APPROVALS	
ALL	1B	REMOVED REF DIMS AT REF G9/G10, REMOVED REF DIMS AT REF F8, ADDED DASHED LINES AROUND ANCHOR NUT POSITIONS & NOTE ECR R39191 INCORPORATED		3 APR 2014		MODIFIED BY MITCHEM	
		CHANGE CODE: P1		3 APR 2014		DRG CHK: T CLARK	
						PROJ ENGR	
						MFG ENGR	
						TECH APRL	
						DSGN APRL	
				3 APR 2014		DSGN APRL: D P SMITH	

CENTRISEP AIR CLEANER	
U.P. PATENT 1,207,028, 1,236,841, 1,485,915 FOREIGN PATENTS AND OTHERS PENDING	
ASSY PT No. QB05008	ISS No.
MOD No.	
SERIAL No.	
CUSTOMER PT No.	
PALL AEROSPACE	
A DIVISION OF PALL EUROPE LTD.	

COMPANY LABEL
SCALE: 1:1
ETCHED WITH ASSEMBLY QB05008,
ISSUE & SERIAL Nos.
LOCATED ON REFS 01 & 03

SPECIFICATION:

- ENGINE RATED AIR FLOW:- 2.6 kg/sec.
- EJECTOR NOZZLE AIR SUPPLY:-
 - PRESSURE 7.4 bar ABSOLUTE.
 - TEMPERATURE 538°K.
- MATERIALS OF CONSTRUCTION:-
 - CENTRISEP TUBES - U.V. RESISTANT GLASS FILLED POLYPROPYLENE.
 - GENERAL - ALUMINIUM ALLOY.
 - BLEED MANIFOLD - ST/STEEL.
 - EJECTORS - GLASS REINFORCED NYLON.
 - FOD SCREEN - ST/STEEL
- FINISH:-
 - ALUMINIUM ALLOY - ANODISED & GLOSS PAINTED 'SATINE GREY'.
 - OTHER - NATURAL.

- DESIGNED IN ACCORDANCE WITH REQUIREMENT SPECIFICATION:- RSB05008.

PERFORMANCE:

- BLEED FLOW RATE 0.01 kg/s MAX. @ CONDITIONS DEFINED IN SECTION 2 ABOVE.
- ESTIMATED TOTAL PRESSURE DROP ACROSS PANEL IN STANDARD EUROCOPTER INTAKE AT 2.6kg/sec ENGINE RATED AIR FLOW:- 22 mbar AT C.E.P.
- AT ISA STANDARD DAY SEA LEVEL CONDITIONS THE ESTIMATED DUST SEPARATION EFFICIENCY WITH ISO12103-1:A4 COARSE TEST DUST:- 95% GRAVIMETRIC.
- ESTIMATED WEIGHT OF KIT COMPLETE - 10 kg MAX.

NOTES:

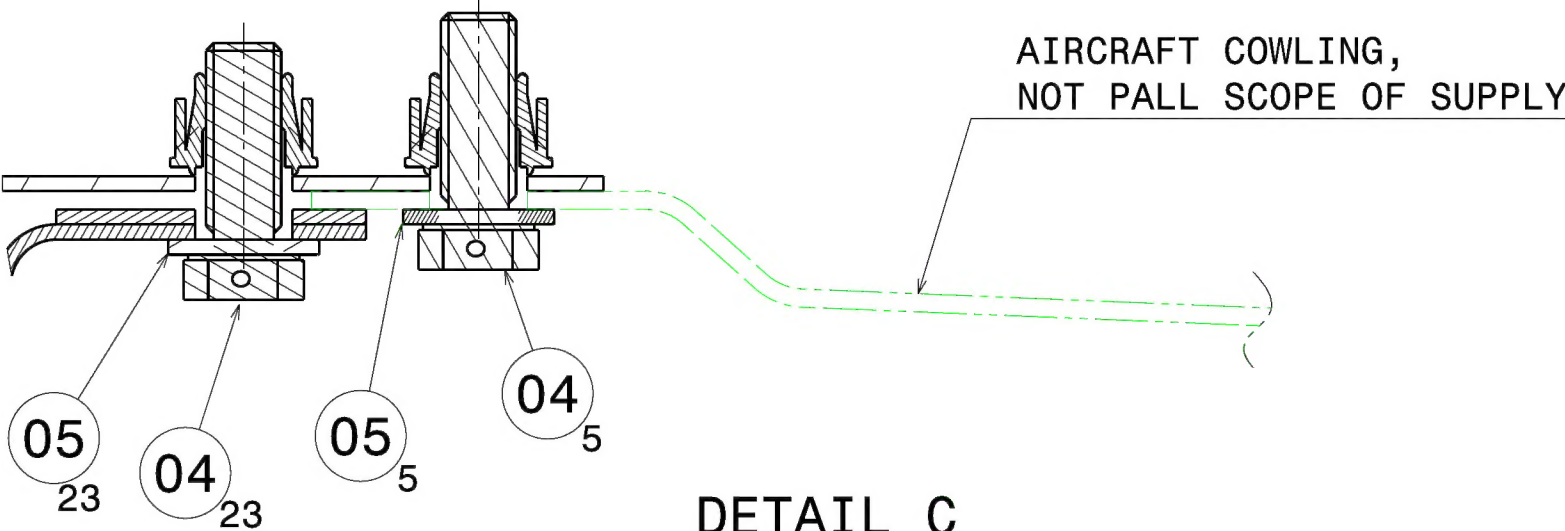
- PHANTOM LINES INDICATE PARTS NOT WITHIN PALL SCOPE OF SUPPLY
- APPLY LOCTITE, REF 07, TO ALL THREADED FASTENERS PRIOR TO ASSEMBLY.
- TORQUE VALUES FOR FASTENERS: M5: 4.0 Nm +/-10%

THIS KIT INCLUDES
THE FOLLOWING PARTS
PROVIDED SEPARATELY

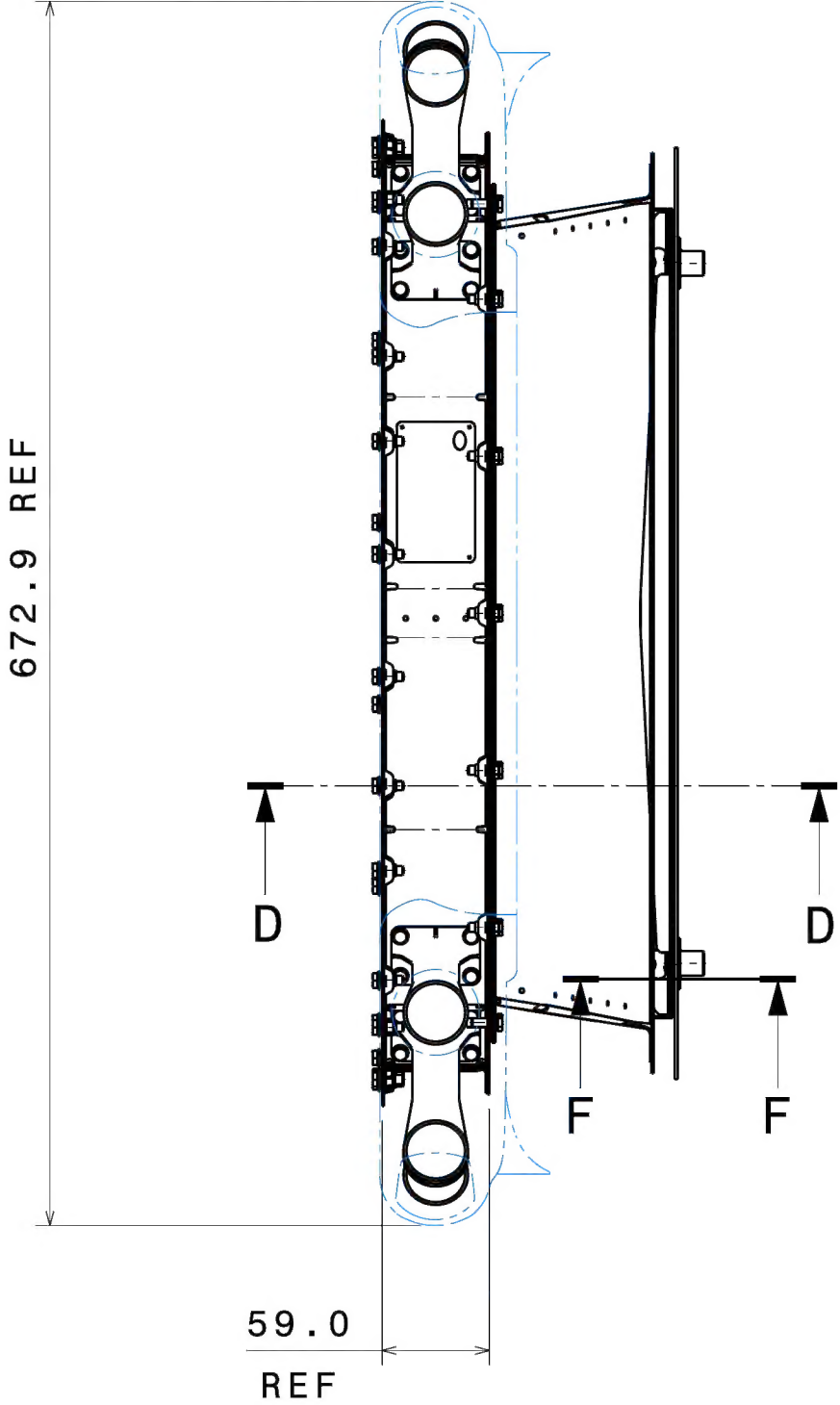
REF	PART NUMBER	QTY	DESCRIPTION	MATERIAL/REMARKS
01	QB21304	1	ASSEMBLY, SEPARATOR	---
02	QB21308	1	ASSEMBLY, SCREEN	---
03	QB21310	1	ASSEMBLY, DUCT	---
04	LN9038-05-14	56	BOLT, M5 X 14	---
05	BS4320-A5	56	WASHER, M5	---
06	---	1	ASSEMBLY FAIRING	DART SUPPLY
07	LOCTITE 242	A/R	JOINTING COMPOUND	PALL REF QD3092-02
08	QR10616	1	KIT, TUBE REPAIR	---
09	QD3108-BJ-05-SC	15	ANCHOR NUT	---
10	QD3387B3-03	40	RIVET SOLID CSK	---

PALL Corporation		PALL AEROPOWER ENGINEERING, PORTSMOUTH, ENGLAND	
TITLE		ASSEMBLY SEPARATOR ENGINE AIR PARTICLE INSTALLATION	
SIZE	A1.	CAGE CODE	U0088
DRG NO	QB05008	SHT2	1B
SCALE	1:1	WEIGHT	
SHEET		A OF B	

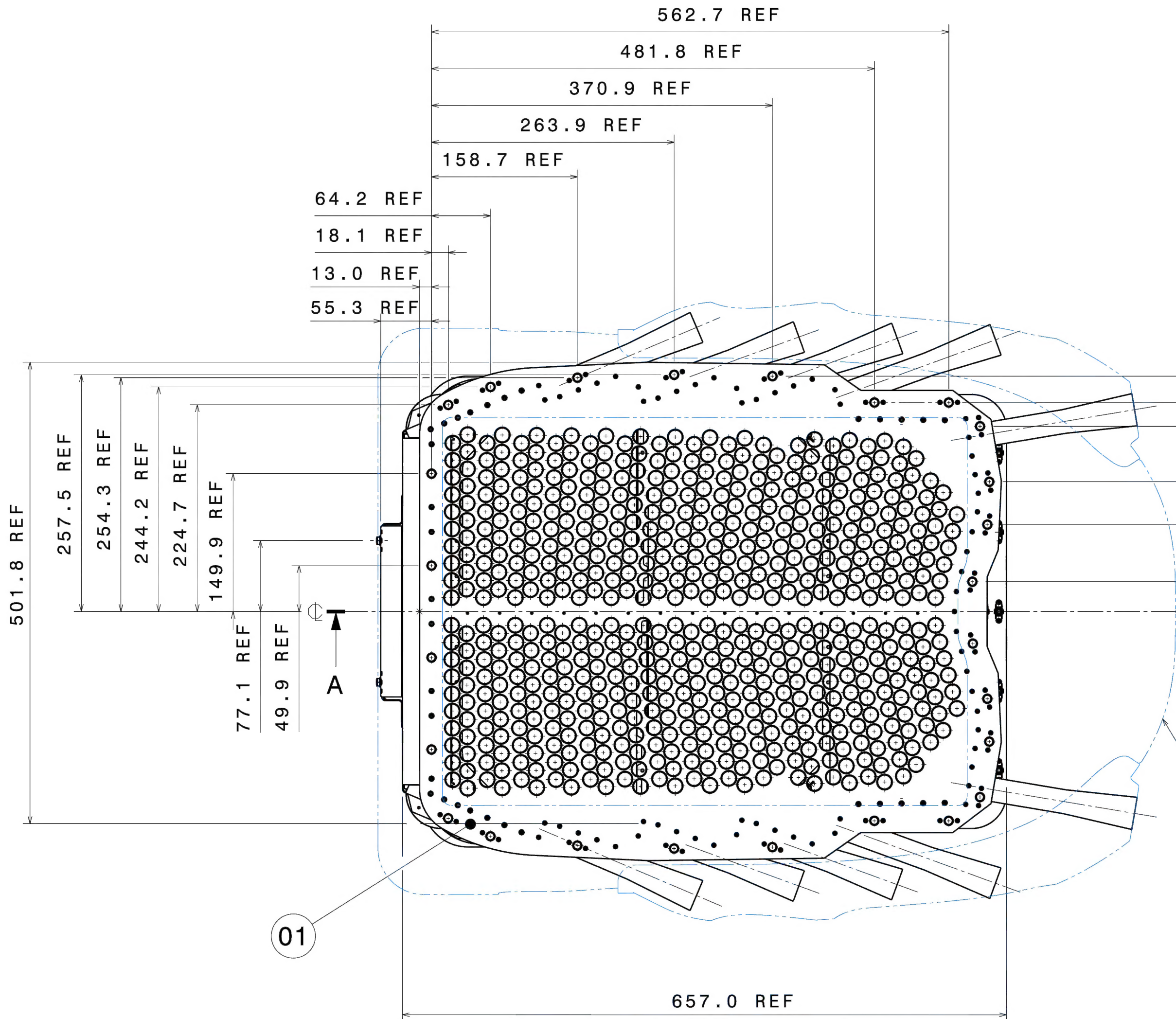
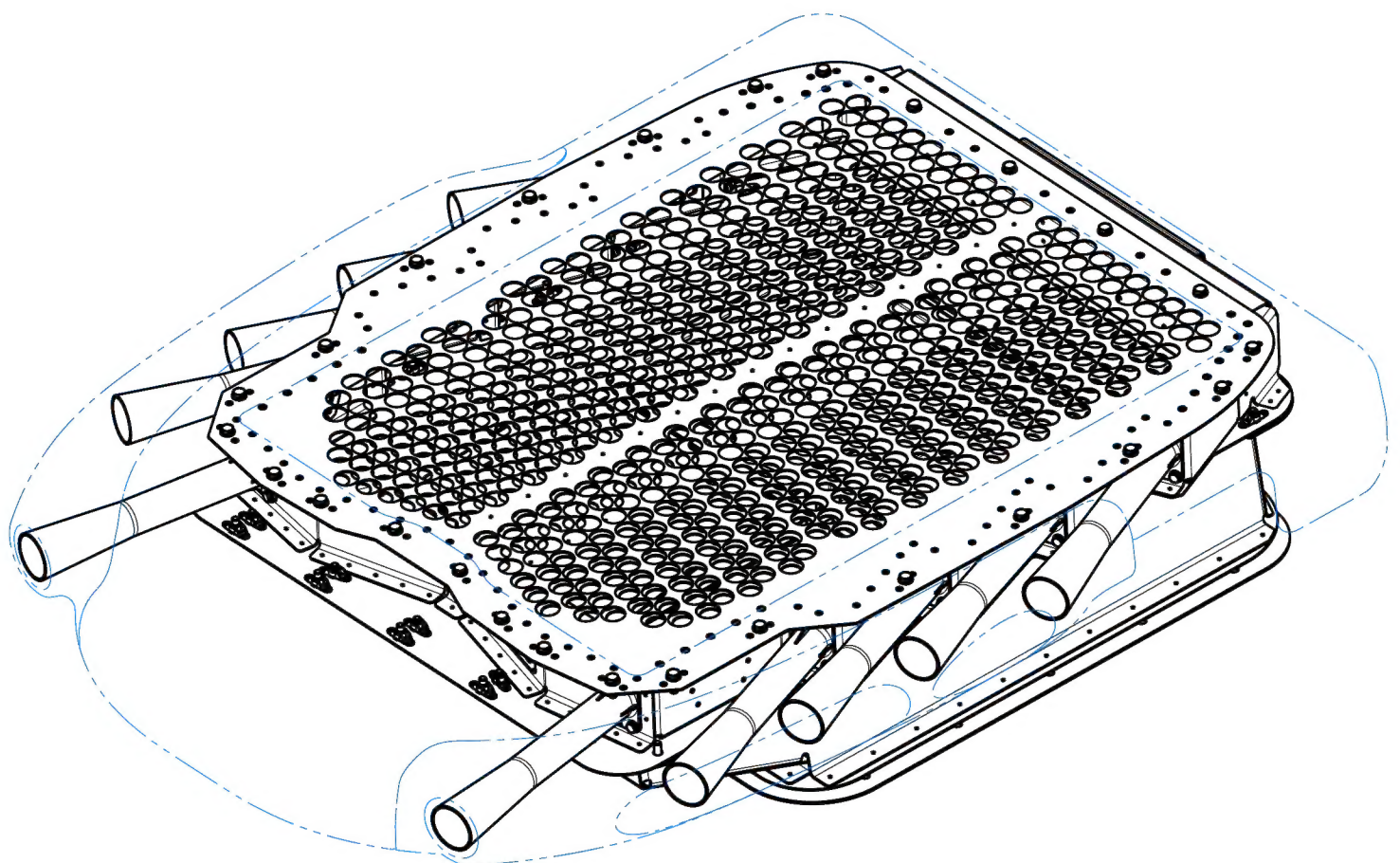
CAD LOCATION
UKEH_CATDRW-131321



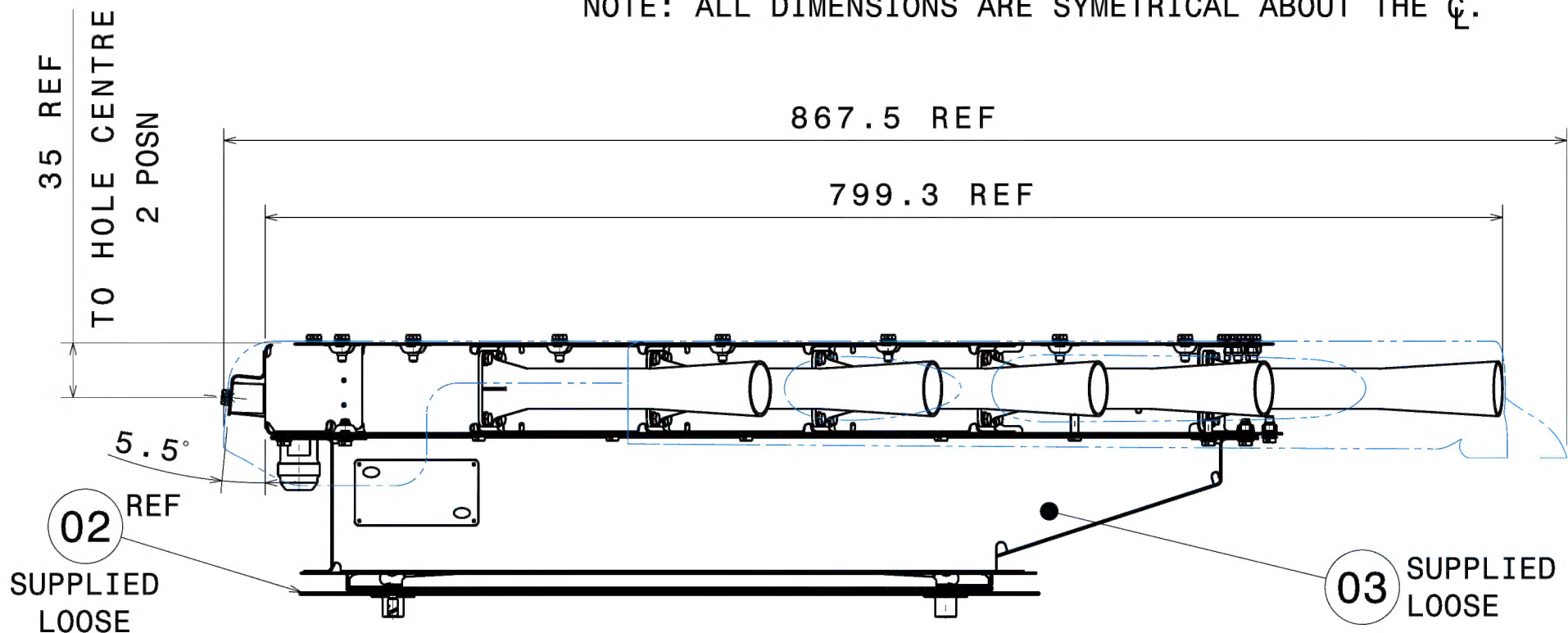
DETAIL C
ATTACHMENT TO AIRCRAFT COWLING
TYP 28 POSN
SCALE: 2:1
(SEE NOTE ON SHEET B OF B, REF E8)



ISOMETRIC VIEW
N.T.S.



VIEW ON TOP SIDE
SHOWING FAIRING FASTENER POSNS
NOTE: ALL DIMENSIONS ARE SYMETRICAL ABOUT THE C.



SECTION CUT A-A

FAIRING ASSEMBLY,
NOT PALL SCOPE OF SUPPLY

AIRCRAFT COWLING,
NOT PALL SCOPE OF SUPPLY

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PALL EUROPE LTD	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES	
TOLERANCES ARE:	
DECIMALS	ANGLES
X. ± 1.0	± 0.5 DEG
.X ± 0.5	
.XX ± 0.25	
.XXX ± -	
SURFACE FINISH	3.2
DO NOT SCALE DRAWING	

THIRD ANGLE PROJECTION	DRG PER ASME Y14.5M-1994 OR BS 8888
APPLICATION	
NEXT ASSY	
USED ON	AS 350

APPROVALS		DATE
DRWN BY	T SMITH	17 JUN 2013
DRG CHK	S M SKULL	17 JUN 2013
PROJ ENGR		
MFG ENGR		
TECH APRL		
DSGN APRL		
DSGN APRL	D P SMITH	17 JUN 2013
CONTRACT NO	AS 350	

PALL Corporation		PALL AEROPOWER ENGINEERING, PORTSMOUTH, ENGLAND	
TITLE		ASSEMBLY SEPARATOR ENGINE AIR PARTICLE INSTALLATION	
SIZE	A1.	CAGE CODE	U0088
DRG NO	QB05008	SHT2	1B
SCALE	1:1	WEIGHT	
SHEET		A OF B	

1/4 TURN FASTENER STUD
DFCI PART NO. 121J-W470-SE-Z3CT
(PART OF REF 02)

1/4 TURN FASTENER RECEPTACLE
DFCI PART NO. 1219-PSP4-2-Z3CT
PART OF REF 02

EXISTING AIRCRAFT SEAL
NOT PALL SUPPLY

M5 FASTENERS & WASHERS,
NOT PALL SCOPE OF SUPPLY.
FIT INTO EXISTING LOCATIONS
ON AIRCRAFT INTAKE.

AIRCRAFT INTAKE,
NOT PALL SCOPE OF SUPPLY

PART SECTION F-F
SHOWING 1/4 TURN FASTENERS, TYP 4 POSN
& ATTACHMENT OF SCREEN ASSEMBLY TO AIRCRAFT INTAKE, TYP 22 POSN
SCALE: 1:1
ROTATED 90°

ANCHOR NUT/HOLES SHOWN FOR VISUAL
REPRESENTATION ONLY. FINAL POSITION
TO BE DETERMINED BY OPERATOR AT POINT
OF INSTALLATION TO AIRCRAFT. THIS WILL
BE DEPENDENT ON THE CONFIGURATION OF
COWLING USED.

FAIRING ASSEMBLY,
NOT PALL SCOPE OF SUPPLY

AIRCRAFT COWLING,
NOT PALL SCOPE OF SUPPLY

36.0
END OF PORT
TO BASE OF
EAPS PANEL

THREAD BS1580
1-1/16-12 UN-2A

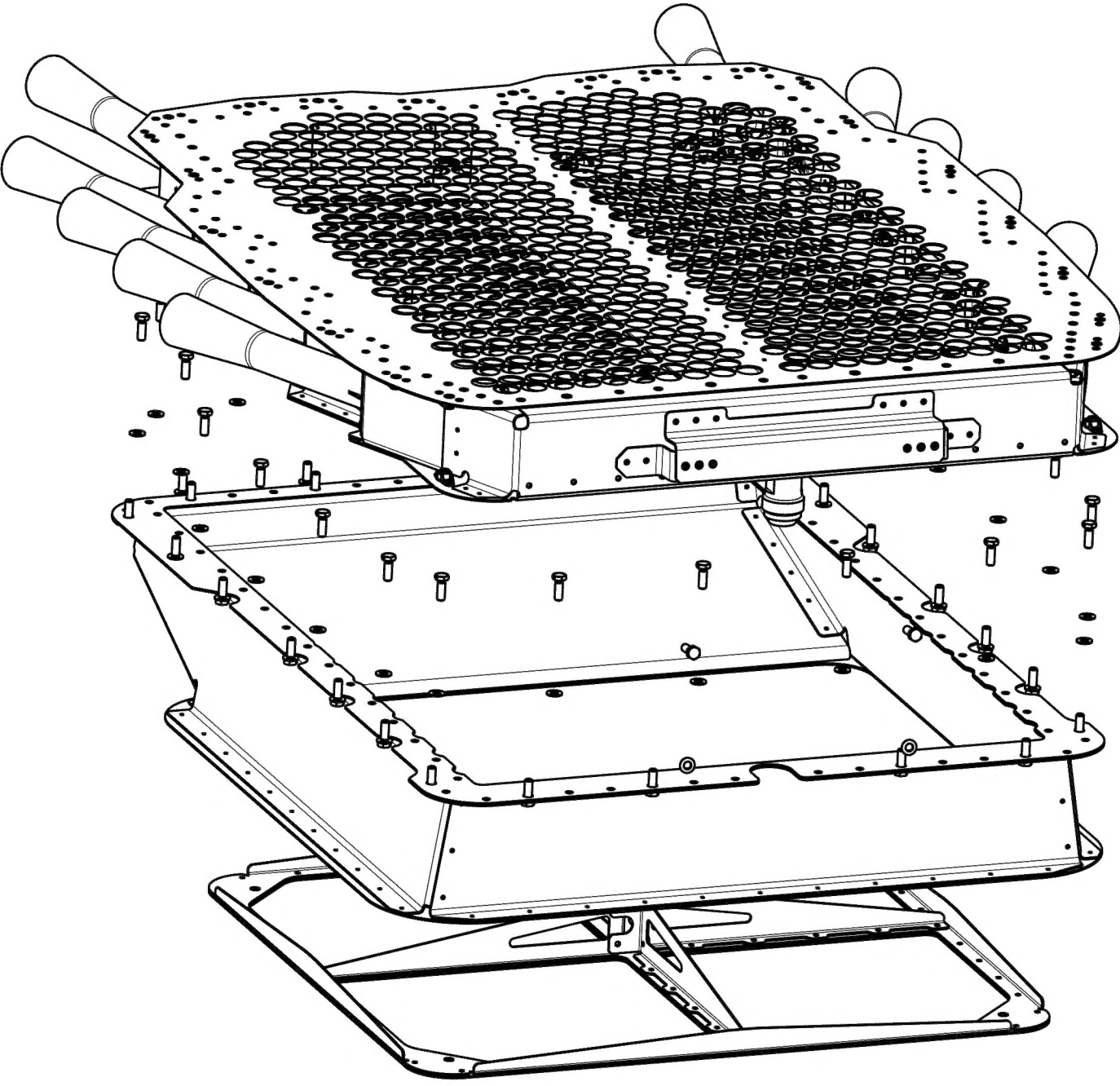
DETAIL E
SHOWING PORT CONNECTION DETAILS, TYP 1 POSN
& FORWARD ATTACHMENT OF FAIRING TO COWLING, TYP 2 POSN
SCALE: 1:1

VIEW ON UNDERSIDE
SHOWING COWLING FASTENER POSNS
REFS 02 & 03 REMOVED FOR CLARITY
NOTE: ALL DIMENSIONS SYMETRICAL ABOUT C.


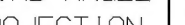
FAIRING ASSEMBLY,
NOT PALL SCOPE OF SUPPLY

PART SECTION CUT D-D
ATTACHMENT TO FAIRING
TYP 26 POSN
SCALE: 2:1
ROTATED 90°

ZONE	ISS	DESCRIPTION	DATE	APPROVALS
ALL	1B	REMOVED REF DIMS AT REF G9/G10, REMOVED REF DIMS AT REF F8, ADDED DASHED LINES AROUND ANCHOR NUT POSITIONS & NOTE ECR R39191 INCORPORATED	3 APR 2014	MODIFIED B MITCHEM
		CHANGE CODE: P1	3 APR 2014	DRG CHK: T CLARK
				PROJ ENGR:
				MFG ENGR:
				TECH APRL:
			3 APR 2014	DSGN APRL: D P SMITH



EXPLODED VIEW
SCALE 1:4

© 2013 PALL EUROPE LTD		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES TOLERANCES ARE:		THIRD ANGLE PROJECTION	DRG PER ASME Y14.5M-1994 OR BS 8888	APPROVALS		DATE	 Pall Corporation		
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		.X ± 1.0		± 0.5 DEG		DRG CHKD	S M SKULL	17 JUN 2013			
		.XX ± 0.5				PROJ ENGR					
		.XXX ± 0.25				MFG ENGR					
		.XXX ± -				TECH APRL					
SURFACE FINISH		3.2		USED ON	AS 350	DSGN APRL	D P SMITH	17 JUN 2013	TITLE ASSEMBLY SEPARATOR ENGINE AIR PARTICLE INSTALLATION		
DO NOT SCALE DRAWING						CONTRACT NO	AS 350	SCALE	1:1	WEIGHT	SHEET B OF B